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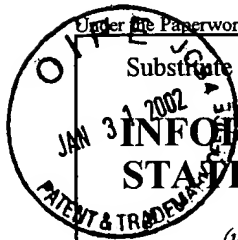
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/405,046
Filing Date	September 27, 1999
First Named Inventor	MEADE et al.
Group Art Unit	1619 1614
Examiner Name	D. Jones
Attorney Docket Number	A-58634-6/RMS/RMK

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
D9	1	4,676,447		Gries et al.	03/1987	
	2	4,678,667		Meares et al.	07/1987	
	3	4,822,594		Gibby	04/1989	
	4	4,885,363		Tweedle et al.	12/1989	
	5	5,087,440		Cacheris et al.	02/1992	
	6	5,155,215		Ranney	10/1992	
	7	5,188,816		Sherry et al.	02/1993	
	8	5,219,553		Kraft et al.	06/1993	
	9	5,256,395		Barbet et al.	10/1993	
	10	5,262,532		Tweedle et al.	11/1993	
	11	5,322,681		Klaveness	06/1994	
	12	5,332,567		Goldenberg	07/1994	
	13	5,358,704		Desreux et al.	10/1994	
	14	5,419,893		Berg et al.	05/1995	
	15	5,446,145		Love et al.	08/1995	
	16	5,466,439		Gibby et al.	11/1995	
	17	5,531,978		Berg et al.	07/1996	
	18	5,554,748		Sieving et al.	09/1996	
	19	5,707,605		Meade et al.	01/1998	
	20	5,955,605		Axworthy et al.	09/1999	

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		Office ³	Number ⁴	Kind Code ² (if known)				
D9	21	WO	92/19264	A1	Salutar, Inc.	11/1992		
	22	WO	95/32741	A1	Bracco SPA	12/1995		

Examiner Signature	<i>[Signature]</i>	Date Considered	8/19/02
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Sheet	2	of	3
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Complete if Known

Application Number	09/405,046
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First Named Inventor	MEADE et al.
Group Art Unit	1619 Kelly
Examiner Name	D. Jones
Attorney Docket Number	A-58634-6/RMS/RMK

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DM	39	Aguayo, J.B., et al. "Nuclear Magnetic Resonance Imaging of a Single Cell," Nature, Letters to Nature 322:190-191 (July 10, 1986).	
	40	Alexander, "Design and Synthesis of Macrocyclic Ligands and Their Complexes of Lanthanides and Antinides," Chem. Review, 95:273-342 (1995).	
	41	Borch, R.F., et al. "The Cyanohydridoborate Anion as a Selective Reducing Agent," Journal of the American Chemical Society 93(12): 2897-2904 (June 16, 1971).	
	42	Cho, Z.H., et al. "Some Experiences on a 4μm NMR Microscopy," Book of Abstracts, Vol. 1, p.233, Society of Magnetic Resonance in Medicine, 6th Annual Meeting and Exhibition, August 17-21, 1987, New York City, NY.	
	43	Gryniewicz, G., et al. "A New Generation of Ca ²⁺ Indicators with Greatly Improved Fluorescence Properties," The Journal of Biological Chemistry, 260(6): 3440-3450 (1985).	
	44	Hennessy, M.J., et al. "NMR Surface Coil Microscopy," Book of Abstracts, Vol. 2, p.461-462, Society of Magnetic Resonance in Medicine, 5th Annual Meeting and Exhibition, August 19-22, 1986, Montreal, Quebec, Canada.	
	45	Hoult, D.I., et al. "The Signal-to-Noise Ratio of the Nuclear Magnetic Resonance Experiment," Journal of Magnetic Resonance, 24: 71-85 (1976).	
	46	Jackels, "Section III: Enhancement Agents for Magnetic Resonance and Ultrasound Imaging. Chapter 20: Enhancement Agents for Magnetic Resonance Imaging: Fundamentals," Pharm. Med. Imag. Section III, Chap. 20, pp. 645-661 (1990).	
	47	Johnson, G.A., et al., "MR Microscopy at 7.0 T," Works in Progress, Society of Magnetic Resonance in Medicine, Sixth Annual Meeting and Exhibition, August 17-21, 1987, New York City, NY. P.23.	
	48	Meade, T.J. et al., "Hydrophobic, Regiospecific Guest Binding by Transition-Metal Host Complexes Having Permanent Voids as Revealed by FT-NMR Relaxation Studies," J. Am. Chem. Soc., 108:1954-1962 (1986).	
	49	Meyer et al., "Advances in Macrocyclic Gadolinium Complexes as Magnetic Resonance Imaging Contrast Agents," Investigative Radiology, 25(1):S53-S55 (September 1990).	
	50	Moi, M.K., et al. "The Peptide Way to Macrocyclic Bifunctional Chelating Agents: Synthesis of 2- (p-Nitrobenzyl) -1,4,7,10-tetraazacyclododecan- N, N'', N''', N''''- tetraacetic Acid and Study of Its Yttrium (III) Complex," J. Am. Chem. Soc. 110(18):6266-6267 (1988).	
DM	51	Nijhof, E.J., et al. "High-Resolution Proton Imaging at 4.7 Tesla," Proceedings of Soc. Magn. Reson. Med., P.925 (1987).	

Examiner Signature	<i>D. Jones</i>	Date Considered	8/19/02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	09/405,046
				Filing Date	September 27, 1999
				First Named Inventor	MEADE et al.
				Group Art Unit	1619 / 1619
				Examiner Name	D. Jones
Sheet		of	3	Attorney Docket Number	A-58634-6/RMS/RMK

(use as many sheets as necessary)

Sheet

of 3

Attorney Docket Number	A-58634-6/RMS/RMK
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				Application Number	09/405,046
				Filing Date	September 27, 1999
				First Named Inventor	MEADE et al.
				Group Art Unit	1619 / 1614
Examiner Name	D. Jones				
Sheet	1	of	3	Attorney Docket Number	A-58634-6/RMS/RMK

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
PA	1	4,637,988		Hinshaw et al.	01/1987	
	2	4,837,169		Toner	06/1989	
	3	4,877,872		Morgan et al.	10/1989	
	4	5,095,099		Parkinson et al.	03/1992	
	5	5,133,956		Garlich et al.	07/1992	
	6	5,230,883		Kornguth et al.	07/1993	
	7	5,292,414		Sessler et al.	03/1994	
	8	5,310,539		Williams	05/1994	
	9	5,338,532		Tomalia et al.	08/1994	
	10	5,407,657		Unger et al.	04/1995	
	11	5,466,438		Unger et al.	11/1995	
PA	12	5,622,821		Selvin et al.	04/1997	
	13	5,914,095		Watson	06/1999	
	14	5,980,862		Meade et al.	11/1999	

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PA	15	WO	90/12050		Salutar, Inc.	10/1990		
	16	WO	95/27705		Bracco International	10/1995		
✓	17	WO	95/28966		Nycomed Imaging	11/1995		
	18	WO	95/31444		Bracco International	11/1995		
PA	19	WO	96/23526		Metasyn, Inc.	08/1996		

Examiner Signature	<i>P. Jones</i>	Date Considered	8/19/02
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Application Number	09/405,046
Filing Date	September 27, 1999
First Named Inventor	MEADE et al. TEC
Group Art Unit	1618 1614
Examiner Name	D. Jones
Attorney Docket Number	A-58634-6/RMS/RMK


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09	20	WO	96/38184		California Institute of Technology	12/1996		
	21	WO	97/21431		California Institute of Technology	06/1997		
	22	WO	97/32862		Bracco S.P.A.	09/1997		
	23	WO	99/21592		California Institute of Technology Technology	05/1999		
	24	WO	99/25389	A2	Research Corporation Technologies	05/1999		
	25	WO	01/82795	A3	Research Corporation Technologies	11/2001		
	26	CA	2182686		Schering Aktiengesellschaft	08/1995		
	27	CA	2139374		Meyer et al.	07/1995		
	28	CA	2197074		Schering Aktiengesellschaft	02/1996		

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Sheet	3	of	3		

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